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TITLE: FILE NAME GIVING DEVICE

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INT-CL (IPC): G06F012/00, G06F017/30 , G10H001/00 , G10H007/02

ABSTRACT:

PURPOSE: To easily and quickly execute work for giving a file name by giving the file name using a word or word combination selected from a previously

prepared list to a file.

CONSTITUTION: A file name giving screen which is displayed on a display is provided with a frame (box) where an operator clicks the click button of a mouse. That is, a file name box B1, a Short check box B2, a POP UP MENU box B3, an OK box B4 and a Chancel box B5 are provided. Then, the giving means gives the file name using the word or word combination which is selected from the previously prepared file name to the data file. Thus, when compared with a case where a character is inputted one by one by a key input, work for giving the file name is easily and also quickly executed and it is eliminated that the errorneous file name owing to the misremembering of a word spelling, etc., is given.

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TITLE: File name providing appts for electronic device equipped with recording/reproduction function of music - provides file name that uses combination of word selected by selection unit or word by data file

PATENT-ASSIGNEE: YAMAHA CORP[NIHG]

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BASIC-ABSTRACT:

The appts has a display part in which list of words of file name, provided in data file is displayed. A selection unit selects the combination of one desired word or multiple words.

A providing part provides the file name that uses the combination of the selected word or word of the data file.

USE/ADVANTAGE - For e.g. PC. Performs providing work of file name to data file, simply. Prevents providing mistaken file name.

CHOSEN-DRAWING: Dwg.1/18

TITLE-TERMS: FILE NAME APPARATUS ELECTRONIC DEVICE EQUIP RECORD REPRODUCE FUNCTION MUSIC FILE NAME COMBINATION WORD SELECT SELECT UNIT WORD DATA FILE

DERWENT-CLASS: P86 T01 U23 W04

EPI-CODES: T01-J12; T01-J18; U23-F02; W04-U; W04-U01;

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1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.** shows the word which can not be translated.**
3.In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the thing which enabled it to prevent giving the mistaken file name while an operator enables it to do the grant activity of a file name on a musical-sound data file or the data file of other arbitration simply and promptly especially about the equipment which gives a file name.

[0002]

[Description of the Prior Art] As a kind of the electronic equipment for music, an external sound is sampled with a PCM (pulse code modulation) method, and, generally the device which records the data obtained based on the sampling, or edits or reproduces the recorded data file is known. Such electronic equipment for music is made to call it a sampler here. In the conventional sampler, when giving a file name to the newly recorded data file, or when the already recorded file name of a data file was changed, the operator had inputted the alphabetic character which constitutes a word (for example, word of 'violin') to use as a file name by keying by using a keyboard etc.

[0003]

[Problem(s) to be Solved by the Invention] However, such a key input was an activity complicated for an operator -- it must input the alphabetic character of 1 character at a time. Moreover, in such a key input, when the case where the operator remembers spelling of a word accidentally, and a key are incorrect-inputted, an inaccurate file name will be given to a data file (for example, when the case where spelling of 'violin' is accidentally remembered 'biolin', and a key are incorrect-inputted as 'biolin'). Although there were some which have the function which discovers the data file of a specific class out of many data files by searching the word included in the

file name (for example, the musical-sound data file of a violin system is discovered by searching the word of 'violin' contained in the file name) in a sampler, the data file to which the file name inaccurate in this way was given leaked from the object for retrieval, and had a problem of it becoming impossible to discover.

[0004] the sampler and the other electronic equipment for music (for example, electrohone etc.) which this invention was made in view of the above-mentioned point, and has record and the regenerative function of a data file -- or it is going to offer the file name grant equipment which enabled it to prevent grant of the file name which was mistaken while being able to do simply and promptly the grant activity of the file name to a data file in electronic equipment other than the electronic equipment for music which has record and the regenerative function of a data file.

[0005]

[Means for Solving the Problem] A display means for the file name grant equipment concerning this invention to display the list of words which should be used as a file name, It is characterized by having a selection means for choosing the combination of one desired word or two or more desired words, and a grant means to give the file name using the combination of the word chosen with said selection means, or a word to a data file, out of the list displayed on said display means.

[0006]

[Function] The list of words which should be used as a file name (for example, list including the word of 'violin') is displayed on a display means. The combination (for example, the word of 'violin' and others should put together) of one desired word or two or more desired words is chosen by the selection means from the lists. Then, the file name using the combination of the word concerned or a word is given to a data file by the grant means. Thus, since the file name using the combination of the word chosen from the list prepared beforehand or a word can be given to a data file, while being able to do the grant activity of a file name simply and promptly by key input as compared with the case where it inputs the alphabetic character of 1 character at a time, grant of the file name which made the mistake in considering the memorize difference in spelling of a word etc. as a cause can be avoided, and the file name of the exact vocabulary can be given to a data file.

[0007] In addition, it has further an assignment means for specifying as arbitration any of the usual word and the abbreviation of this usual word are used as a file name. It is made to display the list of usual words which should be used for a display means as a file name, and the list of words

which should be used as an abbreviation of this usual word. With a selection means It is suitable that it is made to perform selection according to assignment with the above-mentioned assignment means out of either the list of these usual words or the list of abbreviations. Since an abbreviation can also be used now as a file name and the vocabulary is moreover unified also in that case by this, it can discover without leaking the data file concerned for retrieval. Moreover, in this case, in case selection is performed by the selection means out of the list of abbreviations, it is much more suitable to have further an insertion means to insert a predetermined sign automatically between words. Thereby, also when using an abbreviation as a file name, the break of a word and a word can be made intelligible for an operator with this sign.

[0008]

[Example] Hereafter, the example of this invention is explained to a detail with reference to an accompanying drawing. Drawing 1 is the block diagram showing the outline of the hardware configuration of the electronic equipment which adopted the file name grant equipment concerning one example of this invention. This electronic equipment contains the sampler 1 and the personal computer 2 which is the high order control unit of a sampler 1. A sampler 1 is electronic equipment for music for recording the data which sampled the external sound with the PCM system and were obtained as mentioned above based on the sampling, or editing or reproducing the recorded data file. Record of data is performed by the built-in disk unit 3 (they are a magnetic disk drive or an optical disk unit). Moreover, in this sampler 1, a disk unit 3 can be equipped with the disk which recorded the established presetting data file, and that file can also be edited or reproduced. Since the fundamental configuration and fundamental function of such sampler 1 the very thing are generally just going to be known, the detailed explanation is not performed here.

[0009] The keyboard 4, the mouse 5, and display 6 which are a peripheral device are connected to the personal computer 2. A personal computer 2 performs file processing to the data file recorded on a disk unit 3 as a high order control device of a sampler 1. Drawing 2 shows the outline of this file processing. This file processing is divided roughly and consists of file save processing and file load processing. File save processing is processing which records a data file on a disk unit 3. The file name grant processing which gives a file name to a data file is included in file save processing. The list of words which should be used for the main storage of a personal computer 2 as a file name in this file name grant processing is memorized. File load processing is processing which reads the data file recorded on the

disk unit 3 for edit or playback. Retrieval processing of a file is included in file load processing. Drawing 3 shows the outline of retrieval processing of a file. the file with which a personal computer 2 will agree on the keyword and conditions if a user operate the specific word (for example, 'Piano') (the thing of the word use as a file name will also be call the keyword below) and the specific retrieval conditions (for example, it be the file recorded after the fixed date) include in the file name of a file to discover and input a keyboard 4 or a mouse 5 into a personal computer 2 for them indicate by list at a display 6. Since this invention relates to the file name grant processing in such file processing, below, it is carried out to explaining focusing on file name grant processing.

[0010] Drawing 4 shows an example of the screen for choosing a file which a personal computer 2 displays on a display 6 at the time of file save processing. The information (information, such as a type 'Type' of a file name 'Name' and data and recorded date 'Date') about five files is displayed one line at a time at once among the files currently recorded on the disk unit 3. By clicking the click carbon button of a mouse 5, where Cursor C is moved to the icon of the arrow head of the corner of a screen, or the icon of the following page, when an operator moves a mouse 5 The information about the file which is not displayed on the present screen can also be displayed now on a screen. Thus, the information about a desired file is displayed on a file selection screen, and if Cursor C is moved to the line of the file when an operator moves a mouse 5, the inverse video of the alphabetic character of the line will be carried out (the inverse video of the alphabetic character of the line of the file of a file name 'VoiceDUMMY' is carried out by a diagram). If an operator clicks the click carbon button of a mouse 5 in the condition, the file name grant processing about the file will start.

[0011] Drawing 5 is a flow chart which shows an example of file name grant processing. It is set as the value '0' which means first having not ended the flag DONE which shows whether this file name grant processing was completed in step 100. A file name grant screen as shown in a display 6 at drawing 6 is expressed as the following step 101. Some frames (box) for an operator to click the click carbon button of a mouse 5 in it are prepared in this file name grant screen. The name and function of those boxes are listed below.

File name box B1 : (1) Display the file name of the file chosen from the file selection screen (drawing 4), or The part in the box B1 on which you want to display a new word is specified-by-actuation of a mouse 5. Box for inserting and displaying the word chosen from POP MENU(s) mentioned

later on this part UP (by a diagram, the file name 'VoiceDUMMY' of the file by which inverse video was carried out on the file selection screen (drawing 4) is displayed in this box.)
short check box B-2 : (2) Specify using an abbreviation as a file name by actuation of a mouse 5, or Box POP for using an abbreviation to display what is specified (3) UP MENU Box B3 : the list (list of words which should be used as a file name) memorized by the main storage of a personal computer 2 It is a box for making it display on a display 6 by actuation of a mouse 5, and it is classified into eight kinds of boxes as follows in order to choose and display only the word included under the category of predetermined out of a list.
General box B3a : (3a) As a word with high operating frequency Only the word memorized by main storage Carried POP UP MENU display (3b) NameA-B box B3b: -- POP which carried only the word whose initial is A thru/or B of the alphabet UP MENU -- display (3c) NameC-E box B3c: -- an initial only the word which are C of the alphabet thru/or E Carried POP UP MENU display (3d) NameF-K box B3d: -- POP which carried only the word whose initial is F thru/or K of the alphabet UP MENU -- display (3e) NameL-Q box B3e: -- an initial only the word which is L thru/or Q of the alphabet Carried POP UP MENU display (3f) NameR-S box B3f: -- POP which carried only the word whose initial is R thru/or S of the alphabet UP MENU -- display (3g) NameT-Z box B3g: -- an initial only the word which is T thru/or Z of the alphabet Carried POP UP MENU Display (4) Note box B3h: POP which carried only the chord UP Giving the file name which consists MENU of the word displayed in the display (5) O.K. box B4:file name box B1 to a file by actuation of a mouse 5 Box (6) Cancel box B5 for deciding: The box for deciding not giving the file name which consists of the word displayed in the file name box B1 to a file by actuation of a mouse 5 [0012] At the following step 102, it judges whether the click carbon button of a mouse 5 was clicked downward (below, it carries out clicking downward to calling it a down). If downed, it will progress to step 103, and 'mouse down processing' explained in full detail behind is performed. And it progresses to step 107. If an another side down is not carried out, it progresses to step 104 from step 102, and judges whether the click carbon button of the mouse 5 currently clicked downward returned to the basis (below, it carries out that the click carbon button of the downed mouse 5 returns to a basis to calling it a rise). If it rises, it will progress to step 105, and 'mouse rise processing' explained in full detail behind is performed. And it progresses to step 107. If an another side rise is not carried out, either, it progresses to step 106 from step 104, and Cursor C is moved on a file name grant screen according to a motion of a mouse 5.

And it progresses to step 107.

[0013] At step 107, the file name displayed in the file name box B1 is edited according to actuation of a keyboard 4 (for example, the word which constitutes the file name is deleted according to actuation of the Delete key on a keyboard 4). Next, at step 108, it judges whether it is that the value of Flag DONE is '0' (that is, file name grant processing is not completed). If it is yes, return and 102 or less step processing will be repeated to step 102. If it is an another side no, it will progress to step 109 and a file name grant screen will be eliminated from a display 6. And a return is carried out.

[0014] Next, it moves to explanation of 'mouse down processing' and 'mouse rise processing'. Drawing 7 is a flow chart which shows an example of 'mouse down processing'. It judges whether first, at step 200, when a mouse 5 was downed, Cursor C was in short check box B-2 in the file name grant screen (drawing 6). If it is in short check box B-2, it will progress to step 201 and will be Flag SHORT. The value of DOWN is set as '1'. And a return is carried out. If there is nothing into another side short check box B-2, when it progresses to step 202 from step 200 and a mouse 5 is downed, it will judge whether Cursor C was in the file name box B1. If it is in the file name box B1, it will progress to step 203, and the word of the part in which Cursor C was located in the file name box B1 is displayed in distinction from the word of other parts in the file name box B1 (here, it shall distinguish by surrounding and displaying the word of the part concerned in a parenthesis as an example). And a return is carried out. Cursor C is POP, when there was nothing into the another side file name box B1, and it progresses to step 204 from step 202 and a mouse 5 is downed. UP It judges whether it was in the MENU box B3 (B3 a-B3h). POP UP POP corresponding to [if it is in the MENU box B3 (B3 a-B3h) / progress to step 205 and] the box B3 a-B3h concerned UPMENU is displayed on a display 6. And a return is carried out. Drawing 8 is POP corresponding to General box B3a. UP It is POP corresponding to [an example of MENU is shown and] NameA-B box B3b in drawing 9 . UP It is POP corresponding to [an example of MENU is shown and] Note box B3h in drawing 10 . UP An example of MENU is shown. Which POP UP While the usual keyword which should also use MENU as a file name inside Line L is displayed, the keyword which should be used as an abbreviation of the keyword in the parenthesis just after each keyword is displayed.

[0015] On the other hand, POP UP If there is nothing also into the MENU box B3, when it progresses to step 206 from step 204 and a mouse 5 is downed, it will judge whether Cursor C was in O.K. box B4 or Cancel box B5. If it is in O.K. box B4, it will progress to step 207, and the word displayed in the file name box B1 is given to the file concerned as a file name. And it progresses to step 208 and is set as the value '1' which shows that file name grant processing ended Flag DONE. And a return is carried out. A return is carried out, after progressing to step 208 as it is and setting Flag DONE as a value '1', if it is in Cancel box B5. On the other hand, if there is nothing into O.K. box B4 and Cancel box B5, a return will be carried out as it is.

[0016] Drawing 11 is a flow chart which shows an example of 'mouse rise processing'. It judges whether first, at step 300, when a mouse 5 rose, Cursor C was in short check box B-2 in the file name grant screen (drawing 6). If it is yes, it progresses to step 301 and is Flag SHORT. It judges whether the value of DOWN is '1'. It is Flag SHORT as explained in 'mouse down processing'. DOWN is set as '1', when a mouse 5 is downed in the condition that Cursor C is in short check box B-2 (step 200 of drawing 7 thru/or 201). Therefore, only when a down and rise of a mouse 5 are continuously performed in the condition that Cursor C is in short check box B-2, it is judged yes at step 301. It progresses to step 302 and the 1-bit storage region (this will be called Register SHORT) of the register in a personal computer is made to memorize the value by which current storage is carried out, and a reverse value at this time. This register SHORT is for memorizing whether the activity of an abbreviation is specified. Here, it explains noting that the initial value of Register SHORT is '0' and the value of the register SHORT in which it is shown that the activity of an abbreviation is specified is '1' as an example. Therefore, if an operator performs a down and rise of a mouse 5 of the 1st time in the condition that Cursor C is in short check box B-2, when the value of Register SHORT is set to '1', it will become the mode which uses an abbreviation. And if an operator performs the 2nd down and rise in the condition that Cursor C is in short check box B-2 after that, when the value of Register SHORT is set to '0', it will return to the mode in which the mode which uses the usual word again was specified. The predetermined sign (for example, 'X') which shows that it is the mode which uses an abbreviation with this corresponding to the value of Register SHORT is expressed as step 302 in short check box B-2. Therefore, when the value of Register SHORT is set to '1', the sign concerned is displayed in short check box B-2 here. After finishing this step 302, it progresses to step 308 and is Flag SHORT. The value of DOWN is set as '0'. And a return is carried out. on the other hand, the step 301 -- setting -- flag SHORT if the value of DOWN is not '1', if the mouse 5 is not downed in the condition that Cursor C is in short check box B-2 namely,, jump from step 301 to step 308, and pass this step 308 -- a return is carried out.

[0017] Cursor C is POP, when a mouse 5 rose, there was no cursor C into short check box B-2 in step 300 and it progressed and rises to step 303. UP It judges whether it suited in the line L of MENU (refer to drawing 8 thru/or drawing 10). It is POP as explained in 'mouse down processing'. UP For MENU, Cursor C is POP. UP When a mouse 5 is downed in the condition of being in the MENU box B3 (B3 a-B3h), it is displayed on a display 6 (step 204 of drawing 7 thru/or 205). Therefore, Cursor C is POP. UP POP displayed by it after the mouse 5 was downed in the condition of being in the MENU box B3 (B3 a-B3h) UP When a mouse 5 rises in the line L of MENU, it is judged yes at step 303. When it progresses to step 304 from step 303 at this time and a mouse 5 rises, Cursor C is a keyword in the above-mentioned line L, and it judges whether it suited upwards. If it is on a keyword, it will progress to step 305 and the keyword concerned will be inserted just before the word surrounded and displayed in the parenthesis in the file name box B1. at this time, if the value of Register SHORT is '0', and it is the mode which uses the usual word as step 302 was described namely,, the usual word of the keywords concerned will be inserted, and if the value of the another side register SHORT is '1', and it is the mode which uses an abbreviation as step 302 was described namely,, the abbreviation in the parenthesis of the keywords concerned will be inserted. Moreover, in the mode which uses an abbreviation, in order to make the break of a word and a word intelligible for an operator, a predetermined sign (suppose that it is an underline as an example here) is inserted between the word to insert and the word enclosed in the parenthesis in the file name box B1. After finishing step 305, it progresses to step 306 and is POP from a display 6. UP MENU is erased and the file name grant screen (drawing 6) where said keyword was inserted into the file name box B1 is displayed on a display 6. And a return is carried out through step 308. On the other hand, if Cursor C is a keyword in the above-mentioned line L upwards and there is nothing in step 304 when a mouse 5 rises, it will jump from step 304 to step 306, and it is POP. UP MENU is erased and a file name grant screen (drawing 6) is displayed again. And a return is carried out through step 308. Therefore, if there is nothing on a keyword even if Cursor C is in Line L when a mouse 5 rises, there will be no modification in the word in the file name box B1.

[0018] Cursor C is POPUP when a mouse 5 rises in step 303. If there is nothing into the line L of MENU, it will progress to step 307 and will be POP to a display 6. UP It judges whether MENU is displayed or not. If displayed, it progresses to step 306 and is POP from a display 6. UP After erasing MENU, a return is carried out through step 308. It is POP to the another side display 6. UP If MENU is not displayed, a return is carried out through step 308 as it is.

[0019] The example which changes into 'BrightAcousticPiano' from 'BrightPiano' the file name of the file which ends explanation of the configuration of this file name grant equipment above, then is recorded on the disk unit 3 as an example of this file name grant equipment of operation will be explained. If a file name 'BrightPiano' is displayed on a screen, cursor is moved to the line of this file name and the click carbon button of a mouse 5 is clicked where a file selection screen (drawing 2) is displayed on a display 6 By performing step 100 of file name grant processing (drawing 5) thru/or 101, the file name grant screen (drawing 6) where the file name 'BrightPiano' appeared in the file name box B1 as shown in drawing 12 is displayed on a display 6. Here, a mouse 5 is brought down after moving cursor to 'P' in the part in which the word of 'Acoustic' should be made to insert among file names 'BrightPiano' (the rise of the subsequent mouse 5 does not interfere by carrying out in the condition that cursor is in a proper location). Then, by performing step 202 of mouse down processing (drawing 7) thru/or 203, as shown in drawing 16 , in the file name box B1, the word of 'P' surrounds and is displayed in a parenthesis.

[0020] Next, POP UP A mouse 5 is brought down after moving cursor into NameA-B box B3b in which the word of 'Acoustic (AC)' exists among the MENU boxes B3 (3a-3g). Then, POP corresponding to a NameA-B box by performing step 204 of 'mouse down processing' (drawing 7) thru/or 205 UP MENU (drawing 9) is displayed on a display 6. Next, cursor is moved on the keyword in Line L 'Acoustic (AC)' in the condition [having brought down the mouse 5], and a mouse 5 is raised. Then, by performing step 303 of 'mouse rise processing' (drawing 11) thru/or 306, as shown in drawing 14 , the word of 'BrightAcousticPiano' in which the word of 'Acoustic' was inserted just in front of 'P' is displayed in the file name box B1. Next, cursor is moved into O.K. box B4 and a mouse 5 is brought down (the rise of the subsequent mouse 5 does not interfere by carrying out in the condition that cursor is in a proper location). Then, the file name 'BrightPiano' of the file currently recorded on the disk unit 3 is changed into 'BrightAcousticPiano' by performing step 206 of 'mouse down processing' (drawing 7) thru/or 208.

[0021] Then, the example which changes the file name of the file currently recorded on the disk unit 3 into 'BR AC PF' which is the abbreviation of 'BR PF' to 'BrightAcousticPiano' which is the abbreviation of 'BrightPiano' as another example of this file name grant equipment of operation will be explained. If a file name 'BR_PF' is displayed on a screen, cursor is moved to the line of this file name and the click carbon button of a mouse 5 is clicked where a file selection screen (drawing 2) is displayed on a display 6 By performing step 100 of file name grant processing (drawing 5) thru/or 101, the file name grant screen (drawing 6) where the file name 'BR_PF' appeared in the file name box B1 as shown in drawing 15 is displayed on a display 6 (_ shows the break of a word).

[0022] here, it is necessary to use an abbreviation -- it comes out, cursor is moved into short check box B-2, and a down and rise of a mouse 5 are performed. Then, it goes into the mode which uses an abbreviation by performing step 200 of 'mouse down processing' (drawing 7) step 300 of 201 and 'mouse rise processing' (drawing 11) thru/or 302. Next, cursor is moved to 'P' in the part in which the word of 'AC' should be made to insert among file names 'BR_PF', and a mouse 5 is brought down (the rise of the subsequent mouse 5 does not interfere by carrying out in the condition that cursor is in a proper location). Then, by performing step 202 of mouse down processing (drawing 7) thru/or 203, as shown in drawing 16 , in the file name box B1, the word of 'P' surrounds and is displayed in a parenthesis.

[0023] Next, POP UP Cursor is moved into NameA-B box B3b in which the word of 'Acoustic (AC)' exists among the MENU boxes B3 (3a-3g), and a mouse 5 is brought down. Then, POP corresponding to a NameA-B box by performing step 204 of 'mouse down processing' (drawing 7) thru/or 205 UP MENU (drawing 9) is displayed on a display 6. Next, cursor is moved on the keyword in Line L 'Acoustic (AC)' in the condition [having brought down the mouse 5], and a mouse 5 is made to raise. Then, by performing step 303 of 'mouse rise processing' (drawing 11) thru/or 306, as shown in drawing 17 , the word of 'BR_AC_PF' in which the word of 'AC' was inserted just in front of 'P' is displayed in the file name box B1. Next, cursor is moved into O.K. box B4 and a mouse 5 is brought down (the rise of the subsequent mouse 5 does not interfere by carrying out in the condition that cursor is in a proper location). Then, the file name 'BR_PF' of the file currently recorded on the disk unit 3 is changed into 'BR_AC_PF' by performing step 206 of 'mouse down processing' (drawing 7) thru/or 208.

[0024] In the above two examples of operation, when a file name is changed and the abbreviation 'BR' and 'PF' is used for the file name of a basis by similarly inserting the usual word of 'Acoustic' when the usual word of 'Bright' and 'Piano' is used for the file name of a basis, the file name is changed by similarly inserting the abbreviation 'AC'. However, even when the abbreviation is used for the file name of a basis, of course, a file name may be changed [that a file name may be changed by inserting an abbreviation when the usual word is used for the file name of a basis, or] by inserting the usual word. Signs that the word of 'Bright_AC_Piano' is displayed on drawing 18 in the file name box B1 as an example by inserting the abbreviation 'AC' when the usual word of 'BrightPiano' is used for the file name of a basis are shown. Thus, according to this file name grant equipment, the grant activity of a file name can be done now simply and promptly. Moreover, since the vocabulary is unified also when the file name of the exact vocabulary can be given to a file now and it moreover uses an abbreviation, also in case the file of a specific class is discovered out of much files by searching the word included in the file name, it can discover, without leaking the file concerned for retrieval.

[0025] In addition, in this example, the file already recorded on the disk unit 3 was chosen on the file selection screen, and the file name of that file is changed with this file name grant equipment. However, of course, a file name can also be given to not only this but the file which it is newly going to record on a disk unit 3 with this file name grant equipment. To start file name grant processing (drawing 5), without going via a file selection screen like drawing 2 as an example, and in step 101, after displaying the file name grant screen (drawing 6) which expresses nothing in the file name box B1 on a display 6, what is necessary is made just to perform the step after it to give a file name to the file newly recorded such.

[0026] Moreover, although the operator is performing various actuation by clicking a mouse 5 in this example, of course, it may be made to perform various actuation not only by this but by a keyboard 4 or the other handlers which are not illustrated.

[0027] Moreover, although this invention is adopted in this example in what records the data which the sampler 1 sampled on the disk unit 3 in which it was contained by the sampler 1, of course, this invention may be adopted as what records the data which not only this but the sampler 1 sampled on the external storage (not shown) of a personal computer 2.

[0028] Moreover, although this invention is adopted as the thing it was made to make the personal computer 2 which is a high order control unit perform file processing in this example, you may make it adopt this invention as the thing it was made to make the microcomputer of not only this but the sampler 1 itself perform file processing. In that case, what is necessary is just to prepare the display means for displaying this list, and the proper handler for performing various actuation in sampler 1 the very thing, while storing the list of keywords in the main storage of this microcomputer.

[0029] Moreover, although this invention is adopted as a sampler 1 (and personal computer 2 which is a high order control unit), you may make it adopt this invention as the electronic equipment for music of others which have record and the regenerative function of a file (for example, synthesizer etc.), and may make it adopt this invention as electronic equipment other

than the electronic equipment for music further in this example.

[0030]

[Effect of the Invention] As mentioned above, according to the file name grant equipment concerning this invention, in the electronic equipment of the electronic equipment and others for music which have record and the regenerative function of a data file, the file name using the combination of the word chosen from the list prepared beforehand or a word can be given to a file. Therefore, the outstanding effectiveness that 1st the grant activity of a file name can be done now simply and promptly is done so. Moreover, since the file name of the exact vocabulary can be given to a file now the 2nd, also in case the file of a specific class is discovered out of much files by searching the word included in the file name, the outstanding effectiveness that it can discover without leaking the file concerned for retrieval is done so.

[0031] Moreover, it has further an assignment means for specifying as arbitration any of the usual word and the abbreviation of this usual word are used as a file name. It is made to display the list of usual words which should be used for a display means as a file name, and the list of words which should be used as an abbreviation of this usual word. With a selection means When selection is made to be performed according to assignment with the above-mentioned assignment means out of either the list of these usual words, or the list of abbreviations Since the vocabulary is unified also when using an abbreviation as a file name, it can discover without leaking the file concerned for retrieval. Furthermore, also when using an abbreviation in this case if it has further an insertion means to insert a predetermined sign automatically between words in case selection is performed by the selection means out of the list of abbreviations, the break of a word and a word does so the outstanding effectiveness of becoming intelligible for an operator, with that sign.

[Translation done.]

*** NOTICES ***

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damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.** shows the word which can not be translated.**
3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]
[Claim 1] Electronic equipment which has the record and the regenerative function of a data file characterized by providing the following The display means for displaying the list of words which are equipment for giving a file name to a data file, and should be used as a file name The selection means for choosing the combination of one desired word or two or more desired words from the lists displayed on said display means A grant means to give the file name using the combination of the word chosen with said selection means, or a word to a data file
[Claim 2] It has further the assignment means for specifying as arbitration any of the usual word and the abbreviation of this usual word are used as a file name. Said display means It is what displays the list of usual words which should be used as a file name, and the list of words which should be used as an abbreviation of this usual word. With said selection means File name grant equipment according to claim 1 which performs selection according to assignment with said assignment means out of either the list of said usual words, or the list of said abbreviations.
[Claim 3] File name grant equipment according to claim 2 further equipped with an insertion means to insert a predetermined sign automatically between words in case selection is performed by said selection means out of the list of said abbreviations.
[Claim 4] File name grant equipment according to claim 1 to 3 further equipped with the call means which reads only the word included under the category of either of the arbitration of two or more predetermined criteria out of the list memorized by a storage means to memorize all the lists of words which should be used as a file name, and said storage means, and is displayed on said display means.

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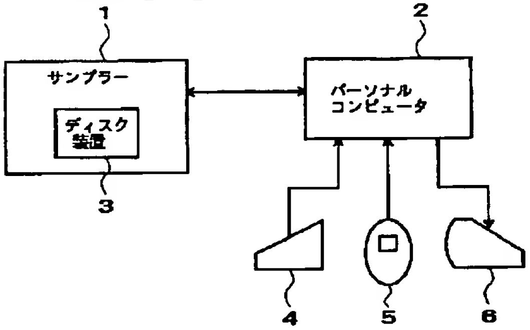
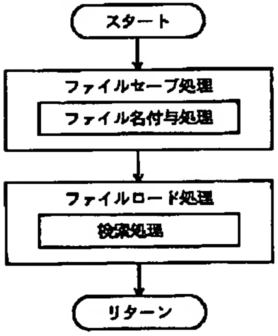
3.In the drawings, any words are not translated.

DRAWINGS

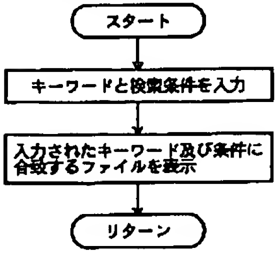
[Drawing 1]


1
2
サンプラー
ディスク装置
パーソナルコンピュータ
3
4
5
6

[Drawing 2]


スタート
ファイルセーブ処理
ファイル名付与処理
ファイルロード処理
検索処理
リターン

[Drawing 3]


スタート
キーワードと検索条件を入力
入力されたキーワード及び条件に合致するファイルを表示
リターン

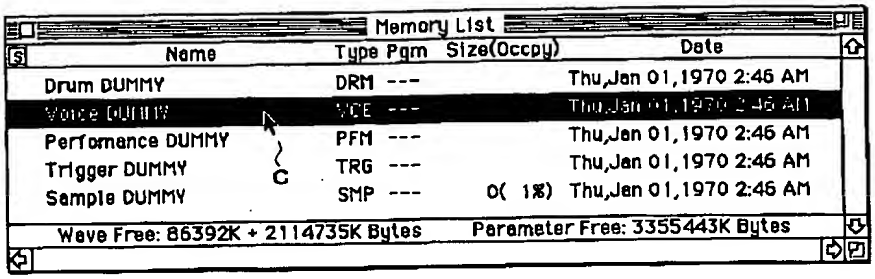
[Drawing 12]

Bright Piano

[Drawing 13]

Bright [P]iano

[Drawing 4]

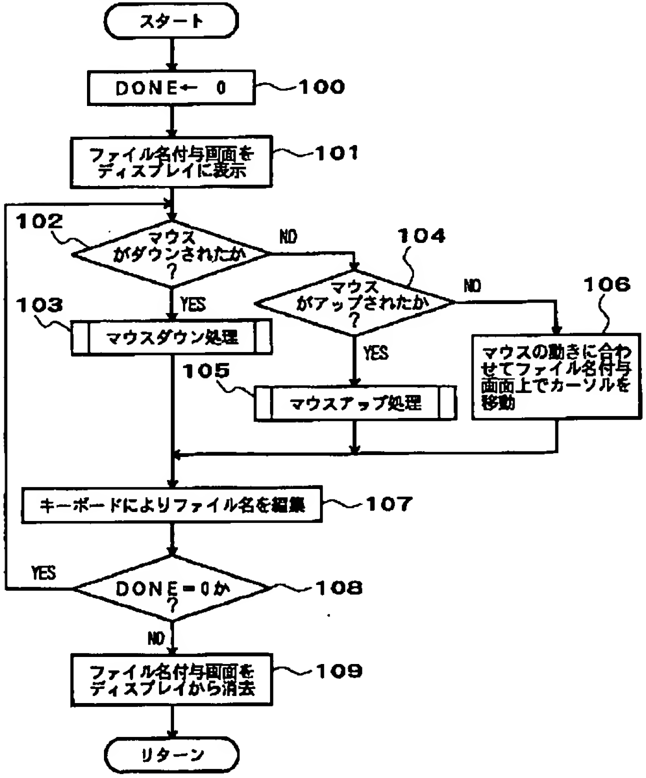


Memory List
C

Name	Type	Pgm	Size(Occpy)	Date
Drum DUMMY	DRM	---		Thu,Jan 01,1970 2:46 AM
Voice DUMMY	VCE	---		Thu,Jan 01,1970 2:46 AM
Perfomance DUMMY	PFM	---		Thu,Jan 01,1970 2:46 AM
Trigger DUMMY	TRG	---		Thu,Jan 01,1970 2:46 AM
Sample DUMMY	SMP	---	0(1%)	Thu,Jan 01,1970 2:46 AM

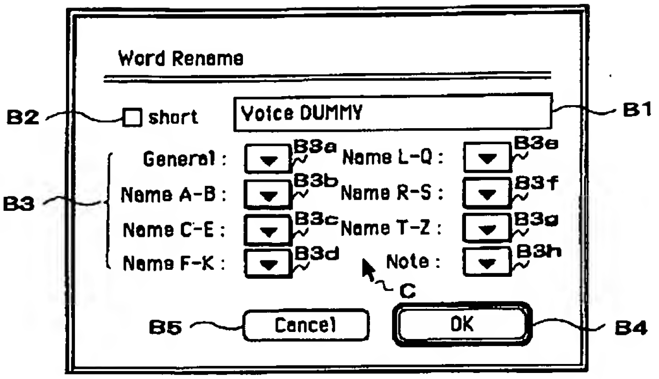
Wave Free: 86392K + 2114735K Bytes Parameter Free: 3355443K Bytes

[Drawing 5]

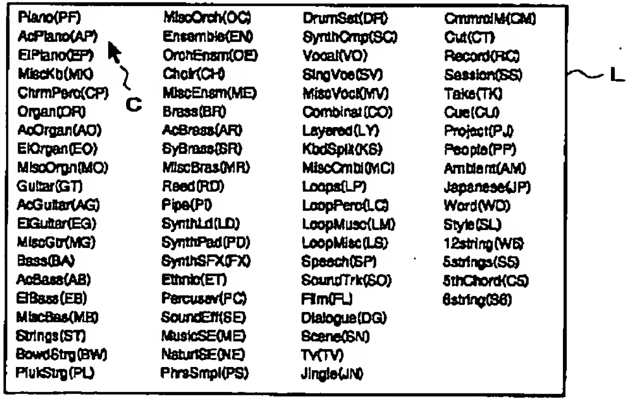


スタート
DONE← 0
100
ファイル名付与画面をディスプレイに表示
101
102
マウスがダウンされたか？
NO
104
YES
マウスがアップされたか？
NO
106
103
マウスダウン処理
YES
マウスの動きに合わせてファイル名付与画面上でカーソルを移動
105
マウスアップ処理
キーボードによりファイル名を編集
107
YES
DONE＝0か？
108
NO
ファイル名付与画面をディスプレイから消去
109
リターン

[Drawing 6]

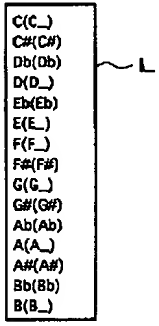

Word Rename
B2
☐ short
Voice DUMMY
B1
B3
General :
B3a
Name L-Q :
B3e
Name A-B :
B3b
Name R-S :
B3f
Name C-E :
B3c
Name T-Z :
B3g
Name F-K :
B3d
Note :
B3h
C
B5
Cancel
OK
B4

[Drawing 8]



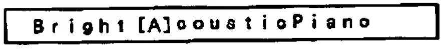
Piano(PF)
AcPiano(AP)
ElPiano(EP)
MiscKb(MK)
ChrmPerc(CP)
Organ(OR)
AcOrgan(AO)
ElOrgan(EO)
MiscOrgn(MO)
Guitar(GT)
AcGuitar(AG)
ElGuitar(EG)
MiscGtr(MG)
Bass(BA)
AcBass(AB)
ElBass(EB)
MiscBas(MB)
Strings(ST)
BowdStrg(BW)
PlukStrg(PL)
MiscOrch(OC)
Ensemble(EN)
OrchEnsm(OE)
Choir(CH)
MiscEnsm(ME)
Brass(BR)
AcBrass(AR)
SyBrass(SR)
MiscBras(MR)
Reed(RD)
Pipe(PI)
SynthLd(LD)
SynthPad(PD)
SynthSFX(FX)
Ethnic(ET)
Percusv(PC)
SoundEff(SE)
MusicSE(ME)
NaturlSE(NE)
PhrsSmpl(PS)
DrumSet(DR)
SynthCmp(SC)
Vocal(VO)
SingVoc(SV)
MiscVocl(MV)
Combinat(CO)
Layered(LY)
KbdSplit(KS)
MiscCmbi(MC)
Loops(LP)
LoopPerc(LC)
LoopMusc(LM)
LoopMisc(LS)
Speech(SP)
SoundTrk(SO)
Film(FL)
Dialogue(DG)
Scene(SN)
TV(TV)
Jingle(JN)
CmmrclM(CM)
Cut(CT)
Record(RC)
Session(SS)
Take(TK)
Cue(CU)
Project(PJ)
People(PP)
Ambient(AM)
Japanese(JP)
Word(WD)
Style(SL)
12string(W6)
5strings(S5)
5thChord(C5)
6string(S6)

[Drawing 10]



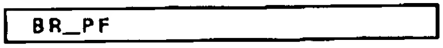
C(C_)
C#(C#)
Db(Db)
D(D_)
Eb(Eb)
E(E_)
F(F_)
F#(F#)
G(G_)
G#(G#)
Ab(Ab)
A(A_)
A#(A#)
Bb(Bb)
B(B_)

[Drawing 14]



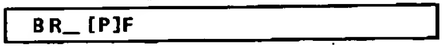
Bright [A]cousticPiano

[Drawing 15]



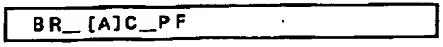
BR_PF

[Drawing 16]



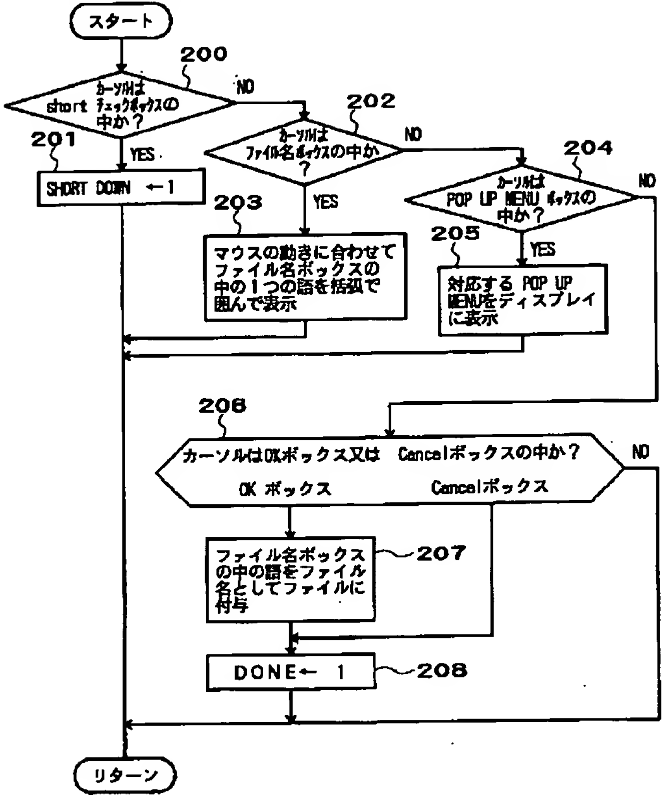
BR_[P]F

[Drawing 17]

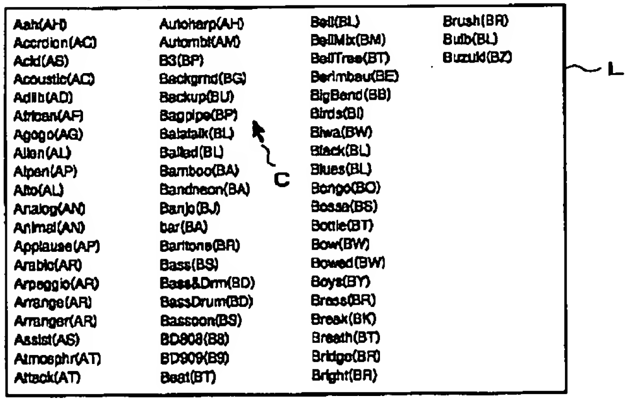


BR_[A]C_PF

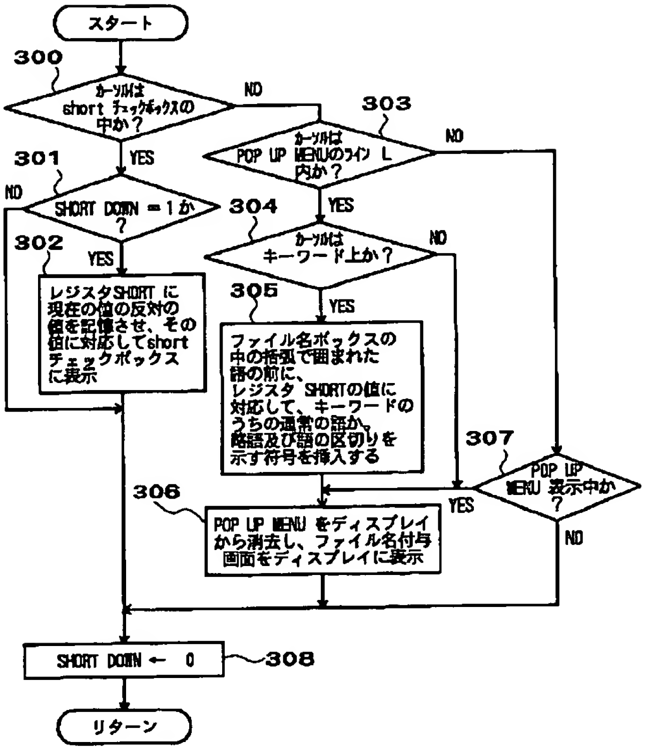
[Drawing 7]


スタート
200
カーソルは short チェックボックスの中か？
NO
YES
201
SHORT DOWN ←1
202
カーソルはファイル名ボックスの中か？
NO
YES
203
マウスの動きに合わせてファイル名ボックスの中の１つの語を括弧で囲んで表示
204
カーソルは POP UP MENU ボックスの中か？
NO
YES
205
対応する POP UP MENUをディスプレイに表示
206
カーソルはOKボックス又は Cancelボックスの中か？
NO
OK ボックス
Cancelボックス
ファイル名ボックスの中の語をファイル名としてファイルに付与
207
DONE← 1
208
リターン

[Drawing 9]


Aah(AH)
Accrdion(AC)
Acid(AS)
Acoustic(AC)
Adlib(AD)
African(AF)
Agogo(AG)
Alien(AL)
Alpen(AP)
Alto(AL)
Analog(AN)
Animal(AN)
Applause(AP)
Arabic(AR)
Arpeggio(AR)
Arrange(AR)
Arranger(AR)
Assist(AS)
Atmosphr(AT)
Attack(AT)
Autoharp(AH)
Autombl(AM)
B3(BP)
Backgrnd(BG)
Backup(BU)
Bagpipe(BP)
Balalaik(BL)
Ballad(BL)
Bamboo(BA)
Bandneon(BA)
Banjo(BJ)
bar(BA)
Baritone(BR)
Bass(BS)
Bass&Drm(BD)
BassDrum(BD)
Bassoon(BS)
BD808(B8)
BD909(B9)
Beat(BT)
Bell(BL)
BellMix(BM)
BellTree(BT)
Berimbau(BE)
BigBand(BB)
Birds(BI)
Biwa(BW)
Black(BL)
Blues(BL)
Bongo(BO)
Bossa(BS)
Bottle(BT)
Bow(BW)
Bowed(BW)
Boys(BY)
Brass(BR)
Break(BK)
Breath(BT)
Bridge(BR)
Bright(BR)
Brush(BR)
Bulb(BL)
Buzuki(BZ)

[Drawing 11]


スタート
300
カーソルは short チェックボックスの中か？
NO
303
カーソルは POP UP MENUのライン L 内か？
NO
301
YES
NO
SHORT DOWN ＝ 1 か ?
304
YES
302
カーソルは キーワード上か？
NO
YES
レジスタSHORT に現在の値の反対の値を記憶させ、その値に対応してshort チェックボックスに表示
305
YES
ファイル名ボックスの中の括弧で囲まれた語の前に、レジスタ SHORTの値に対応して、キーワードのうちの通常の語か、略語及び語の区切りを示す符号を挿入する
307
306
POP UP MENU 表示中か ?
YES
POP UP MENU をディスプレイから消去し、ファイル名付与画面をディスプレイに表示
NO
SHORT DOWN ← 0
308
リターン

[Drawing 18]

Bright_[A]C_Piano

[Translation done.]